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TISSNET 2017

General Awareness

1. **The ozone layer is found in .....**

A Thermosphere

B Exosphere

C Stratosphere

D Earth crust

Answer: C

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2. **The Sachar committee was formed in 2005 to report on the social, economic and educational conditions of _____.**

A ST

B SC

C OBC

D Muslims

Answer: D

3. **Over the year, in the GDP of India which sector's contribution increased significantly?**

A Manufacturing Industry

B Agriculture

C Service Sector

D Mining

Answer: C

4. **Who was the first Prime Minister of Bangladesh?**

A Zia-ur-Rahman

B Mujib-ur-Rahman

C Tajuddin Ahmed

D Hasina Sheikh

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Answer: C

5. **Which is a regenerative organ in human body?**

A Pancreas

B Kidney

C Liver

D Lungs

Answer: C

6. **The dance form "Kathakalli" is from the state of _____.**

A Andhra Pradesh

B Kerala

C Tamilnadu

D Maharashtra

Answer: B

7. **Dipa Karmakar is an Indian sportswoman associated with the following sport:-**

A Gymnastics

B Badminton

C Cricket

D Snooker

Answer: A

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8. **Voices Against 377 is a movement that addresses issues around:-**

A Sati

B Acid attack victims

C Homosexuality

D Dowry

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Answer: C

9. **Rowlatt Act, also known as the Black Bill was passed in the year**

A 1929

B 1919

C 1939

D 1909

Answer: B

10. **Australian Antigen is related to _____.**

A Brain function

B Kidney function

C Hepatitis B

D Lungs function

Answer: C

11. **The case of Nitish Katara murder was adjudged by the trial court as a type of _____.**

A Burglary

B Drug abuse

C Child abuse

D Honour killing

Answer: D

12. **Vishakha judgement is a set of guidelines to deal with the cases of _____.**

A Domestic Violence

B Manual Scavenging

C Trans gender concerns

D Sexual Harassment

Answer: D

13. **The Minimum Wages Act was first enacted in the year _____.**

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A 1948

B 1956

C 1960

D 1952

Answer: A

MAT Free Solved Previous Papers

14. **The Atal Pension Yojana is floated especially for _____.**

A North East people

B Tribal people

C Elderly people from unorganized sectors

D Government employees in industrial sector

Answer: C

15. **Which of the following organization is not under UNO?**

A OPEC

B WHO

C UNESCO

D ILO

Answer: A

16. **Which ruling do major nations abide by to reduce concentration of greenhouse gases?**

A Geneva protocol

B Dallas regime

C Kyoto protocol

D Rio summit

Answer: C

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17. **What is the share of Agriculture sector in the India's GDP in 2015-16?**

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A 15.35%

B 10.25%

C 4.35%

D 20.50%

Answer: A

18. **Which state does Irom Sharmila belong to?**

A Manipur

B Meghalaya

C Tripura

D Assam

Answer: A

19. **Which terror organization is based in North Nigeria?**

A ISIS

B Boko Haram

C Al Badr

D Haqqani Network

Answer: B

XAT Free Mock Test

20. **Who, among the following, was known as 'Frontier Gandhi'?**

A Abdul Wali Khan

B Abdul Ghaffar Khan

C Muhammed Ali Jinnah

D Maulana Azad

Answer: B

21. **The Indus Water Treaty was signed between Indian Prime Minister Jawaharlal Nehru and the President of Pakistan _____**

A Yahya Khan

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B Zulfikar Ali Bhuttoo

C Ayub Khan

D Iskander Mirza

Answer: C

22. **The provision for women's empowerment in the National Food Security Act, 2013 is**

A Separate ration cards for adult women in eligible households

B Allocation of 10 kg extra food grain for women headed households

C issue of ration card in the name of adult women in eligible households

D None of the above

Answer: C

CAT Previous Papers PDF

23. **The book Poverty and Un-British Rule in India was written by**

A Dadabhai Naoroji

B R.C. Dutt

C Gopal Krishna Gokhale

D Balgangadhar Tilak

Answer: A

24. **_____ is a permit which allows a country to produce a certain amount of carbon emission**

A Carbon credit

B Carbon rating

C Carbon trading

D Carbon dating

Answer: A

25. **Which of the following is an instance of indirect taxation in India?**

A Income Tax

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Goods and Services

B Tax

C Corporate Tax

D All of the above

Answer: B

XAT Previous Papers PDF

26. **The holders of forest rights under the recognition of Forest Rights Act, 2006 are empowered to:-**

A Lease land to mining companies

B Provide contract for felling timber

C Protect wildlife and biodiversity

D All of the above

Answer: C

27. **The 1857 first war of Independence is also called _____.**

A Salt Satyagraha

B Quit India Movement

C Civil Disobedience

D Indian Mutiny

Answer: D

28. **The International treaty namely NPT is related to _____.**

A Narcotics and Psychotropic substances

B Human trafficking

C Nuclear weapons

D Chemical weapons

Answer: C

Top-500 Free CAT Questions (With Solutions)

29. **Which green house gas is a result of rapid industrial expansion?**

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A Nitrogen oxide

B Chlorofluorocarbons

C Carbon dioxide

D Methane

Answer: B

30. **Operation Flood' launched in 1970, was related to:-**

A Energy production

B Dam construction

C Wheat production

D Dairy development

Answer: D

31. **Among which tribal group in India is the practice of matriliny followed?**

A Khasi

B Garasia

C Mina

D Bhil

Answer: A

Take a XAT Free Mock Test

32. **The objective of Board of Industrial and Financial Reconstruction is to address issues of:**

A Managing conflicts between labour and management

B Tax related disputes

C Engagement of Child labour in industry

D Revival of sick industrial units

Answer: D

33. **The scheme ESI is related to**

A Wages

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B Social security and health Insurance

C Retrenchment dispute

D Pension

Answer: B

34. **Which of the following was the official entry from India to the OSCARS in 2016?**

A Liar's Dice

B Court

C Sairat

D Visaranai

Answer: D

Take a CMAT free mock test

35. **Who is the author of the book "Aadhe Adhure"?**

A Chetan Bhagat

B Nikita Singh

C Mohan Rakesh

D Amit Chaudhary

Answer: C

36. **Which of the following is not a traditional Kathak Gharana?**

A Luckhnow gharana

B Jaipur gharana

C Bikaner gharana

D Benaras gharana

Answer: C

37. **Which of the following is winner of Ramon Magsaysay Award for 2016?**

A Kailash Satyarthi & Malala Yousafzai

B Medha Patkar & Aruna Roy

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C Thodur M. Krishna & Bezwada Wilson

D Sanjeev Chaturvedi & Rajendra Singh

Answer: C

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38. **Which committee is appointed by Supreme Court of India to give recommendation on functioning of BCCI?**

A Sacchar committee

B Singhvi Committee

C Varma committee

D Lodha Committee

Answer: D

39. **Who was the women's single's badminton champion at Rio Olympic this year?**

A Goh Liu Ying

B Nozomi Okuhara

C Christinna Pedersen

D Carolina Marin

Answer: D

40. **Which of the following Computer language is used for Artificial Intelligence?**

A PROLOG

B BASIC

C COBOL

D FOTRAN

Answer: A

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Logical Reasoning

41. **All the members of a national club participate either in the Badminton or the Chess competition. 2100 members participate in the Chess, 1750 participate in the Badminton and 1100 participates in both the games. How many members does the national club have?**

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A 3250

B 2750

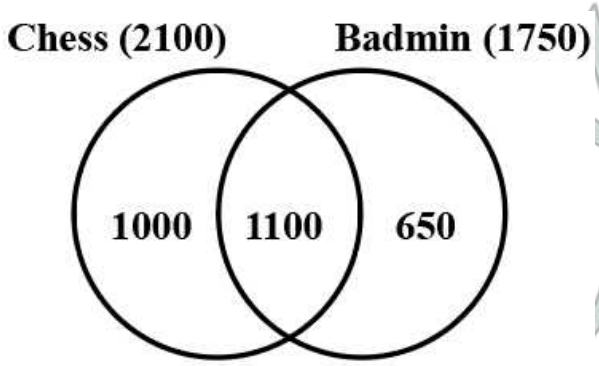
C 2200

D 3750

Answer: B

Explanation:
The number of members who participated only in chess = 2100 - 1100 = 1000

The number of members who participated only in badminton = 1750 -1100 = 650



Total number of members participated = 1000+650+1100 = 2750

The answer is option B.

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42. **Set A is a collection of first 10 whole numbers. Set B is a collection of first 10 natural numbers. How many number/s is/are not common to both set A and set B?**

A 3

B 2

C 0

D 1

Answer: B

Explanation:
Set A = { 0,1,2,3,4,5,6,7,8,9}

Set B = {1,2,3,4,5,6,7,8,9,10}

2 elements are not common

43. **Pushpa is the mother of Kamla. Kamla is the sister of Dilip. Dilip is the father of Jimmy. How is Pushpa related to Jimmy?**

A Aunt

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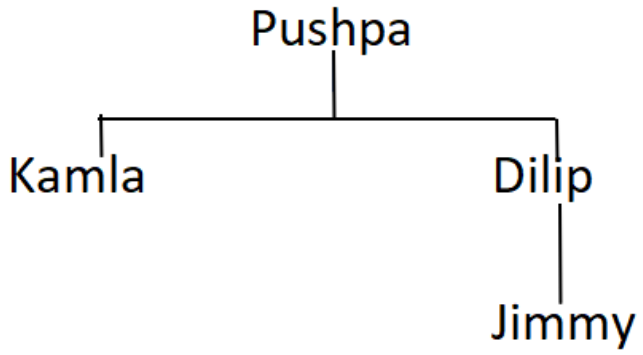
B Sister

C Mother

D Grand mother

Answer: D

Explanation:
The mentioned information can be represented in the following way. We can see that Pushpa is Grandmother of Jimmy



44. **In a certain group of families living together in a certain locality of Bangalore, 35% families own a smart television and 25% own a luxury hutch-back. 55% families own neither a smart television nor a luxury hutch-back. 15 families own both a smart television and a luxury hutch-back. How many families are there in the group?**

A 133

B 100

C 120

D 150

Answer: B

Explanation:
Let there be X group of family

Then

N(Total Groups) = N(People with Smart TV) + N(People with Hatch-back) - P(have both) + N(have none)

X = (0.35)X + (0.25)X - 15 + (0.55)X

Gives X =100

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45. **Ajay: "Prajita occupies 7^{th} position from the top in Economics test in our class"**
Raju: "Yes, you are correct and Prajita also occupies 35th position from the bottom in the same test"
Ajay and Raju study in the same class with Prajita and "N" others. Find the total number of students in the class, other than Prajita, Raju and Ajay.

A 38

B 34

C 41

D 44

Answer: A

Explanation:
Let there be a total of n students in the class including Prajita, Raju and Ajay.

For student ranked 1^{st}, his rank from bottom = n; Sum of his ranks from top as well as bottom = n+1

For student ranked 2^{nd}, his rank from bottom = n-1; Sum of his ranks from top as well as bottom = n+1

Similarly for Parajit; 7+ 35 = n+1 or n = 41

The total number of students in the class, other than Prajita, Raju and Ajay are 38

46. **A cuboid of dimensions $(8cm. \times 6cm. \times 5cm.)$ is painted RED on the pair of opposite surfaces of dimensions $(8cm. \times 6cm.)$. Remaining two opposite surfaces of dimensions $(8cm. \times 5cm.)$ are painted BLACK. And two surfaces of dimensions $(6cm. \times 5cm.)$ are painted with BLUE colors. Now the block is divided among smaller cubes of dimensions $(1cm. \times 1cm. \times 1cm.)$. In how many of the small cubes all the three colors appear?**

A 16

B 48

C 22

D 8

Answer: D

Explanation:
Since the opposite faces are painted with the same color, The area where all 3 colors will be present is the corners. Since there are 8 corners of the cube. After cutting there will be 8 cubes with 3 colors on the faces

47. **In the question given below, statements are followed by inferential conclusions. The conclusion, which can be derived without supposing anything else, i.e. without adding anything extra to the statement (s), is your answer.**

Very soon, there are chances that electricity tariff would be hiked. This proposal will bring about a sharp increase for the domestic consumers and marginal increase for the industrial consumers.

A If this proposal is accepted, then domestic output will get positively affected.

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B At present there is a disparity in the electricity tariff between the industrial and the domestic consumers.

C After this hike, the electricity board will start making profits.

D Domestic consumers consume more electricity than the industrial consumers, assuming that at the beginning tariffs for both sets of consumers is the same.

Answer: D

Explanation:
The statement is about tariff only hence Option A& Option C can be eliminated

It is nowhere mention about disparity hence B can also be ruled out

It can be inferred that their is high domestic consumption as it is mentioned that there will be sharp increase for the domestic consumers. Hence Option D is correct

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48. **The letters P, Q, R, S, and T each stands for one of 1, 2, 3, 4, and 5 but not necessarily in that order. P is odd, Q is neither 4 nor 5, R is 1, S is either 4 or 5, T is neither 2, 3 nor 4. The correct order of the digits (according to the correct order of the English alphabet) is:-**

A 52143

B 54123

C 34125

D 32145

Answer: D

Explanation:
Given that P,Q,R,S and T are among 1,2,3,4 and 5. Upon tabulating the above given information we get the following table

Person	Constraint	Number it can't be
P	Odd	1,3,5
Q		4 , 5
R	R =1	
S	S = 4 or 5	
T		2,3,4

Since it is given that R has to be 1, T has to be 5 which implies S = 4. Since 3 is the only odd number left P=3 which leaves Q=2

Hence P,Q,R,S,T = 3,2,1,4,5

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49. **There are five friends F1, F2, F3, F4 and F5. F1 and F4 are unmarried ladies and do not take part in any game. None of the ladies play chess or tennis. There is a married couple in which F5 is the husband. Out of the five friends, one is a tennis player and one is a chess player. F2 is the brother of F3 and is neither a chess, nor a badminton player. Who is the chess player?**

A F5

B F1

C F2

D F3

Answer: A

Explanation:
Given that F1 and F4 are unmarried ladies and do not take part in any game.

Since F2 is the brother of F3. It implies that F3 has to be the wife of F5. It can be tabulated as follows

	Gender	Sport Played
F2	Male	~chess,~badminton
F3	Female	~chess,~tennis
F5	Male	

It is given that there is 1 chess player. Hence F5 plays chess

50. **Dr. Bappa has five gold rings, each having a different weight. Ring R1 is weighing twice as much as Ring R2. Ring R2 is weighing four and half times as much as Ring R3. Ring R3 is weighing half as much as Ring R4. Ring R4 is weighing half as much as Ring R5. Ring R5 is weighing less than Ring R1 but more than Ring R3. Which of the following represents the descending order of weights of the rings?**

A R1 R2 R3 R4 R5

B R1 R2 R4 R5 R3

C R1 R2 R5 R4 R3

D R1 R5 R4 R3 R2

Answer: C

Explanation:
Above statements can be written as follows

$R_1 = 2 \times R_2$

$R_2 = 4.5 \times R_3$

$R_3 = 0.5 \times R_4$

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From above 3 we can conclude $R_1 > R_2 > R_4 > R_3$. It is given that $R_1 > R_5 > R_3$

Option C satsfies all the criteria

51. **Complete the series: 7, 10, 19, 46, 127, ____.**

A 367

B 363

C 352

D 370

Answer: D

Explanation:

Let T(n) represent the n^{th} term of the series

T(2) - T(1) =10-7 = 3

Similarily T(3) - T(2) = 9

T(4) - T(3) = 27

T(5) -T(4) = 81

We can see that the difference of the terms are in GP

Hence T(6)-T(5) = 243

T(6) = 243+127 = 370

52. **Complete the following series: 2, 10, 30, ____, 130**

A 73

B 68

C 70

D 60

Answer: B

Explanation:

We can identify the pattern as:

1^3 +1 =2

2^3 +2 =10

3^3 +3 =30

4^3 +4 = 68

5^3 +5 = 130

Option B

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53. **Complete the following series:-**
A, DE, IJK, _____.

A LMNO

B PQRS

C MNOP

D NOPQ

Answer: B

Explanation:
The above pattern can be seen as following

A ~~BC~~ DE ~~FGH~~ IJK

The next term will have 4 terms after skipping 4 terms from K

PQRS is correct option

MAT Free Solved Previous Papers

54. **What is the value of 3 $\times 5\times$ 4 - 10?**

A 40

B 50

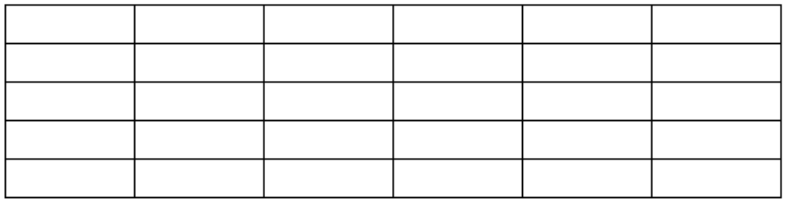
C 58

D 45

Answer: B

Explanation:
3 $\times 5\times$ 4 - 10 = 60 - 10 = 50

55. **How many rectangles are there in the following figure? (Squares are also rectangles)**



A 245

B 315

C 170

D 305

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Answer: B

Explanation:
The above figure contains 7 vertical and 6 horizontal lines. Selecting any 2 of the vertical and 2 of the vertical lines will give a unique enclosed rectangle.

This can be done in ${}^7C_2 \times {}^6C_2 = 21 \times 15 = 315$

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Mathematics

56. **What is the average of the first 7 prime numbers?**

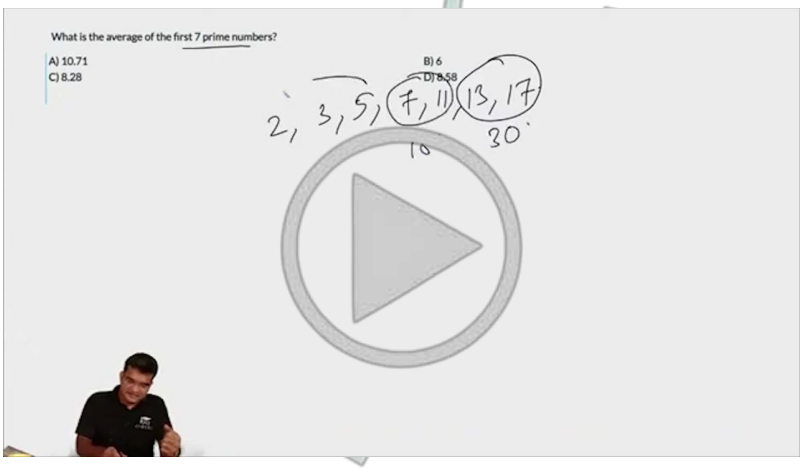
A 10.71

B 6

C 8.28

D 8.58

Answer: C



Video Solution

Explanation:
Sum of first 7 prime numbers = 2 + 3 + 5 + 7 + 11 + 13 + 17 = 58

=> Average = $\frac{58}{7} = 8.28$

=> Ans - (C)

XAT Free Mock Test

57. **Laika notices a right angled triangle and observes that one acute angle is half the size of the other one. In this case, the smallest angle would be:-**

A 30°

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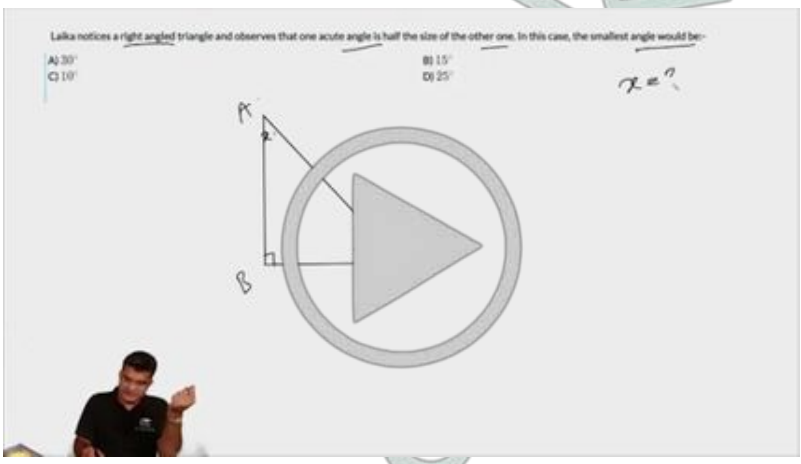
B 15°

C 10°

D 25°

Answer: A


Laika notices a right angled triangle and observes that one acute angle is half the size of the other one. In this case, the smallest angle would be:-
A) 30°
B) 15°
C) 10°
D) 25°
x = ?
A
B

Video Solution

Explanation:

Let the angles of the triangle be $\theta, 2\theta, 90^\circ$

=> Sum of angles = $\theta + 2\theta + 90^\circ = 180^\circ$

=> $\theta = \frac{90^\circ}{3} = 30^\circ$

=> Ans - (A)

58. **Anand sells a laptop on discount of 8% on the marked price and still makes a profit of 25%. How much did the laptop costs him, if the marked price is ₹ 40,000?**

A ₹29,000

B ₹30,400

C ₹29,440

D ₹29,540

Answer: C

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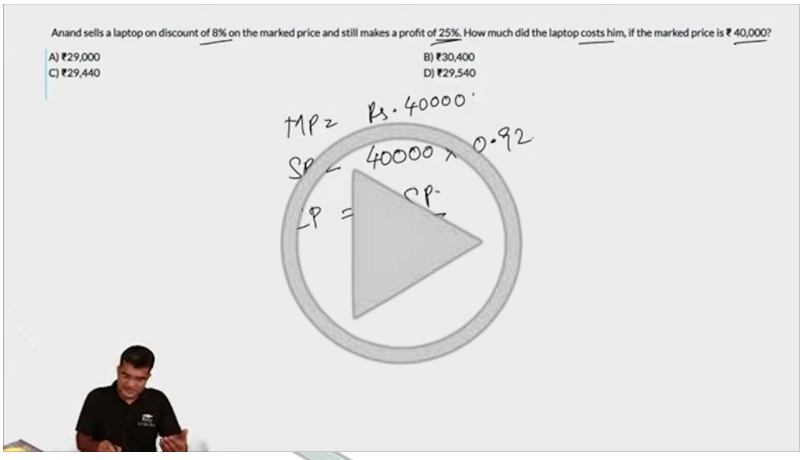

Anand sells a laptop on discount of 8% on the marked price and still makes a profit of 25%. How much did the laptop costs him, if the marked price is ₹ 40,000?
A) ₹29,000
C) ₹29,440
B) ₹30,400
D) ₹29,540

Video Solution

Explanation:

Marked price = 40000

Discount = 8%

Selling price = 40000 × 92/100 = 36800

Profit = 25%

Cost price = 36800 × 100/125 = Rs.29440

59. **The average marks scored by Amit, Bimal and Candy in an examination is 84. If marks of Dorothy are now added, the average marks of the 4 students becomes 80. Ellora's score is 3 more than Dorothy. If Ellora's marks replace Amit's marks, than the average marks scored by Bimal, Candy, Dorothy and Ellora is 79. What is the score of Amit?**

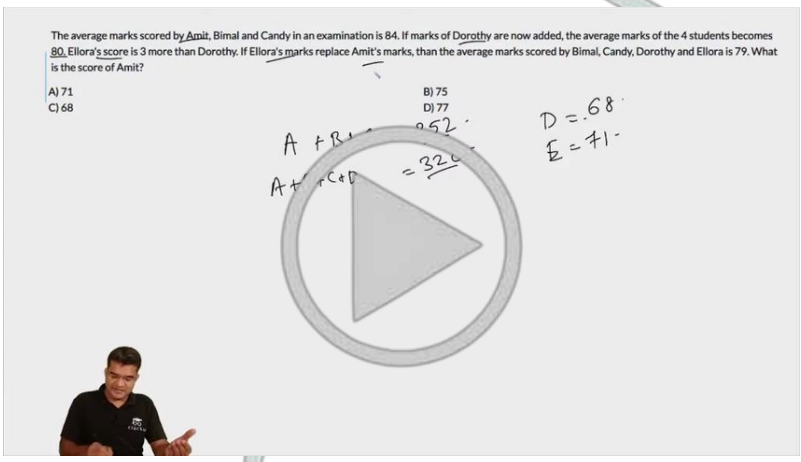
A 71

B 75

C 68

D 77

Answer: B


The average marks scored by Amit, Bimal and Candy in an examination is 84. If marks of Dorothy are now added, the average marks of the 4 students becomes 80. Ellora's score is 3 more than Dorothy. If Ellora's marks replace Amit's marks, than the average marks scored by Bimal, Candy, Dorothy and Ellora is 79. What is the score of Amit?
A) 71
C) 68
B) 75
D) 77

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Video Solution

Explanation:

Let scores of each candidate respectively be a, b, c, d, e, f

Average marks scored by Amit, Bimal and Candy = 84

=> $a + b + c = 84 \times 3 = 252$ ----------(i)

Also, after adding Dorothy marks, average marks of the 4 students = 80

=> $a + b + c + d = 80 \times 4 = 320$ ----------(ii)

Subtracting (i) from (ii), we get : $d = 320 - 252 = 68$

Average marks scored by Bimal, Candy, Dorothy and Ellora = 79

=> $b + c + d + e = 79 \times 4 = 316$ ----------(iii)

Also, $e = d + 3 = 68 + 3 = 71$

Substituting value of d and e in equation (iii), => $b + c = 316 - 68 - 71 = 177$ ----------(iv)

Subtracting (iv) from (i), we get : $a = 252 - 177 = 75$

=> Ans - (B)

CAT Previous Papers PDF

60. **ABC is an isosceles triangle with AB = AC. The vertex angle A measures eight times the measure of a base angle. AD is the angle bisector of vertex angle A. What is the measure of the angle BAD?**

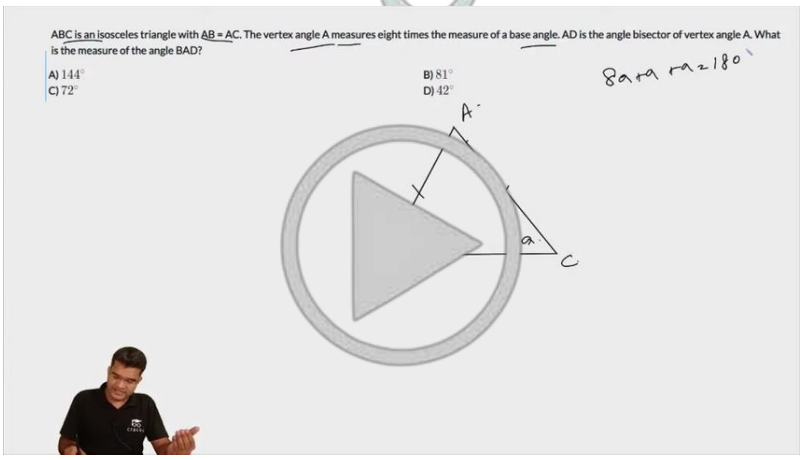
A 144°

B 81°

C 72°

D 42°

Answer: C


ABC is an isosceles triangle with AB = AC. The vertex angle A measures eight times the measure of a base angle. AD is the angle bisector of vertex angle A. What is the measure of the angle BAD?
A) 144°
B) 81°
C) 72°
D) 42°
8a+a+a=180
A
a
C

Video Solution

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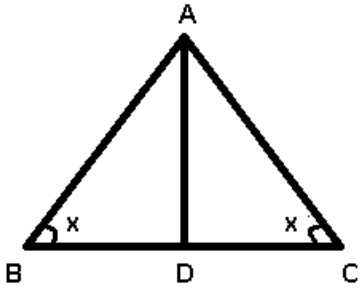
Explanation:



Given : ABC is an isosceles triangle, with AB=AC, let $\angle$ ABC $=\angle$ ACB = x

=> $\angle$ BAC = $8x$

Also, AD is angle bisector, => $\angle$ BAD $=\angle$ CAD = $4x$

The angle bisector of an isosceles triangle is perpendicular bisector to the base.

=> $\angle$ BDA $=\angle$ CDA = 90°

Thus, in right triangle ABD, => $\angle$ ABD + $\angle$ ADB + $\angle$ BAD = 180°

=> $x + 4x = 180 - 90 = 90^\circ$

=> $x = {}^{90}_{5} = 18^\circ$

$\therefore \angle$ BAD = $4 \times 18 = 72^\circ$

=> Ans - (C)

61. **Atmaram distributed his property worth ₹ 78,00,000 among his three sons Ramdayal, Shyam and Krishna, such that the share of Ramdayal is $\left(\frac{3}{4}\right)^{th}$ the share of Shyam and share of Shyam is $\left(\frac{2}{3}\right)^{rd}$ of the share of Krishna. What is the difference between the amount received by Shyam and Krishna?**

A ₹12,00,000

B ₹10,00,000

C ₹15,50,000

D ₹12,50,000

Answer: A

Atmaram distributed his property worth ₹ 78,00,000 among his three sons Ramdayal, Shyam and Krishna, such that the share of Ramdayal is (3/4)th the share of Shyam and share of Shyam is (2/3)rd of the share of Krishna. What is the difference between the amount received by Shyam and Krishna?
A) ₹12,00,000
B) ₹10,00,000
C) ₹15,50,000
D) ₹12,50,000
Ramdayal
Shyam
Krishna

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Video Solution

Explanation:

Total amount = 7800000

Share of Ramdayal = 3/4 × Share of Shyam

Ratio of Share of Ramdayal to Shyam = 3 : 4

Share of Shyam = 2/3 × share of Krishna

Ratio of share of Shyam to Krishna = 2 : 3 = 4 : 6

Ratio of share of Ramdayal, Shayam and Krishna = 3 : 4 : 6

Share of Shyam = 7800000 × 4/13 = 2400000

Share of Krishna = 7800000 × 6/13 =3600000

The difference between the amount received by Shyam and Krishna = 3600000 - 2400000 = 1200000

62. **X is a number such that 65% of X is more than its 36% by 2900. What is 122% of the number X?**

A 10000

B 11000

C 13420

D 12200

Answer: D

Video Solution

Explanation:

According to ques,

=> $(\frac{65}{100} \times X) - (\frac{36}{100} \times X) = 2900$

=> $\frac{29X}{100} = 2900$

=> $X = 10000$

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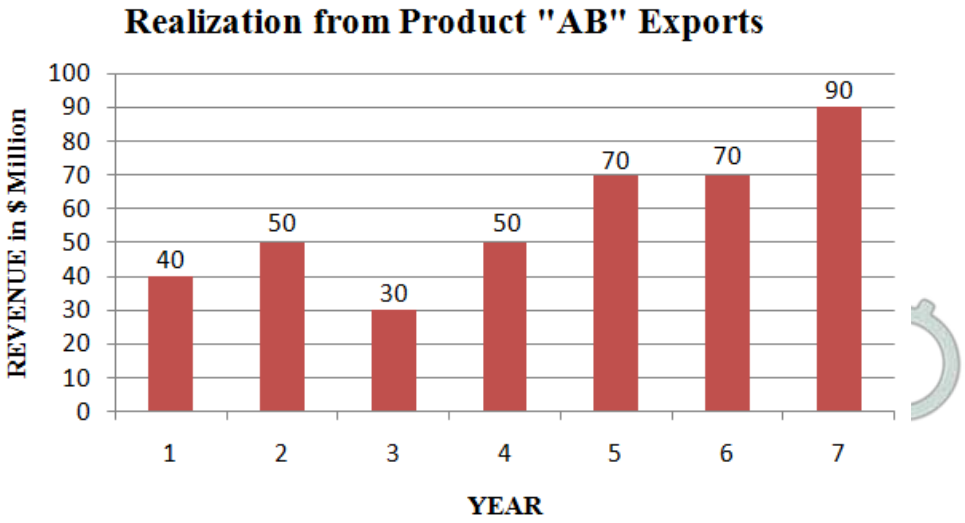
$\therefore$ 122% of X = $\frac{122}{100} \times 10000 = 12200$

=> Ans - (D)

XAT Previous Papers PDF

Data Interpretation

63. **The bar-diagram given below shows the realization from exports of Product "AB", in $ (Million) during different years from Year 1 to Year 7:-**



What is the ratio of the absolute difference in exports in the year 3 & year 7 and year 2 & year 6?

A $2:5$

B $1:4$

C $3:1$

D $5:3$

Answer: C

Explanation:

The absolute difference in exports in the year 3 & year 7 = | 30-90| = 60

The absolute difference in exports in the year 2 & year 6 = |50-70| = 20

Required ratio = 60:20 = 3:1

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64. **Read the following case and answer the following question.**
Mr. Krishna has recently acquired four companies namely K - Tea, Kun - Tea, Sun-Tree and Ruk-Money. When the results of the companies for the year 2015-16 were placed before him, he found a few interesting things about them. While the total expenses of Sun-Tree were 5 times its profits, sales of RukMoney were three times its profits.While the profits of Sun-Tree and Ruk-Money were same, the sales of Sun-Tree were the same as those of Kun-Tea, profits of K-Tea were 10% of its sales, where as the profits of Kun-Tea were 20% of its sales. The total expenses of Sun-Tree were 100,000. The total expenses of K-Tea were 10% less than those of Sun-Tree. (Profits are defined as the difference between sales and total expenditure) .
What is the ratio of Expenses of Sun-Tree and Ruk-Money during the financial year 2015-16?

A $2:1$

B $4:3$

C $5:2$

D $3:1$

Answer: C

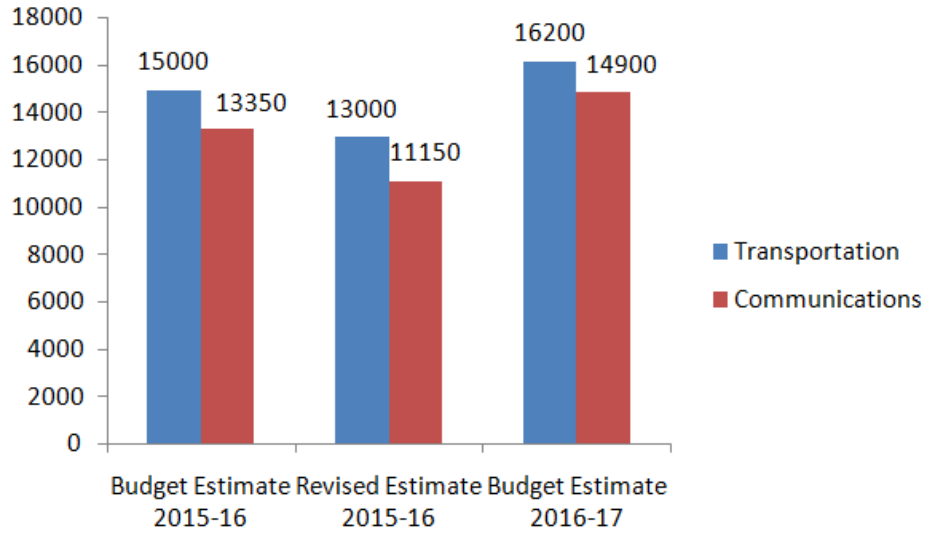
Explanation:
It is given that Profits of Sun-tree and Ruk-Money are same. Let x represent it.

The total expenses of Sun-Tree was 5 times its profits = $5x$

The sales of RukMoney was three times its profits = $3x$. Thus Expense = Sales - Profit = $2x$

The ratio of Expenses of Sun-Tree and Ruk-Money = $5:2$

65. **Refer to the following bar diagram, which shows the plan outlay for Transportations and Communication expenses of a particular country ABC. Figures are in INR Billion.**



Total revised estimates were less than budgeted estimates of 2015-16 for transportation and communication taken together by approximately _____.

A 15%

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B 10%

C 20%

D 18%

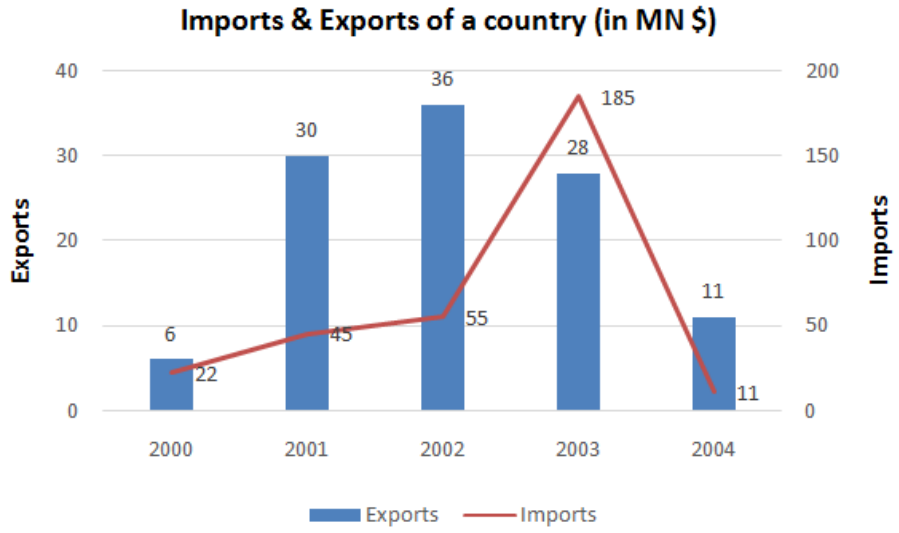
Answer: A

Explanation:
Total of Budget Estimate for 2015-16 = 15000+13350 = 28350

Total of Revised Estimate for 2015-16 = 13000+11150 = 24150

$\%decrease = \frac{28350-24150}{28350} \times 100\%$ = 15%

66. **Study the following graph carefully and answer the questions that follow.**



For how many years, the value of exports in that particular year is higher than the average value of exports for the years given, i.e. from 2000 to 2004?

A 1

B 2

C 3

D 4

Answer: C

Explanation:
Upon tabulating the data

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	Export	Import
2000	6	22
2001	30	45
2002	36	55
2003	28	185
2004	11	11

the value of exports in that particular year is higher than the average value of exports for the 3 years

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67. **Read the following table and answer question that follow:**

Accounting Information of Two Brands of Company ABL
(All figures in ₹00)

	Brand Big			Brand Boss		
	2014	**2015**	**2016**	**2014**	**2015**	**2016**
Sales Revenue	3018	3137	3298	2000	2210	2420
Total Expenditure	2628	2708	2856	1703	1850	2025
Debenture Interest	312	312	330	67	66	65
Depreciation on Assets	204	193	172	48	65	62
Net Profits	16	-10	16	198	220	240

What is the compounded annual growth rate of sales revenue of Brand Boss over the years from 2014 to 2016?

A 11%

B 10%

C 12%

D 9.5%

Answer: B

Explanation:

Assuming CAGR = r,

$2420 = 2000(1+r/100)^2$

$(1+r/100)^2 = 1.21$

=> $1+r/100 = 1.1$

=> $r/100 = 0.1$

=> $r=10$

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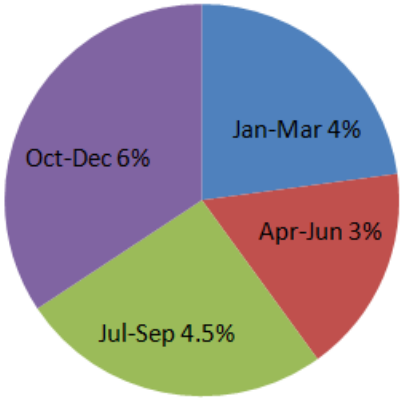
68. **Given below is the chart showing the Percentage Quarterly change in the Sales of Ball pens manufactured by Write-up Pens Company in the year 2015.**

Quaterly Percentage Change in Sales of Ball Pens of Write-up Pens Co. in 2016



If the Company had sold a total of 10000 Ball pens during the period of 1^{st} October, 2015 to 31^{st} December, 2015, then it would have sold how many ball pens by 30^{th} June, 2016?

A 10400

B 10700

C 10720

D 10712

Answer: D

Explanation:
In October to December 2015, the sales was 10000. In the next two quarters, it increased by 4% and 3% respectively.

So, the pens sold by June 30th, 2016 = 10000(1.04)(1.03)= 10712

69. **Read the following table and answer question that follow:-**

Accounting Information of Two Companies (All figures in INR ₹ 00

	Company A		Company X	
	2015	2016	2015	2016
Sales	603.6	627.4	389.8	442.0
Expenditure	525.6	541.6	330.4	370.0
Interest	62.4	62.4	13.4	13.2
Depreciation	40.8	38.6	9.6	13.0
Net Profits	3.2	-2	39.6	44.0

What is the approximate ratio of Interest and Depreciation expenses for the company A and those of company X for both the years combined?

A $7:3$

B $5:2$

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C $3:1$

D $4:1$

Answer: D

Explanation:
Interest and Depreciation expenses for the company A both the years combined = 62.4+62.4+408+38.6 = 222.2

Interest and Depreciation expenses for the company X both the years combined = 13.4 +13.2 + 9. +13 = 49.2

Ratio = $222.2:49.2 = 4.5:1$

Option D is closest

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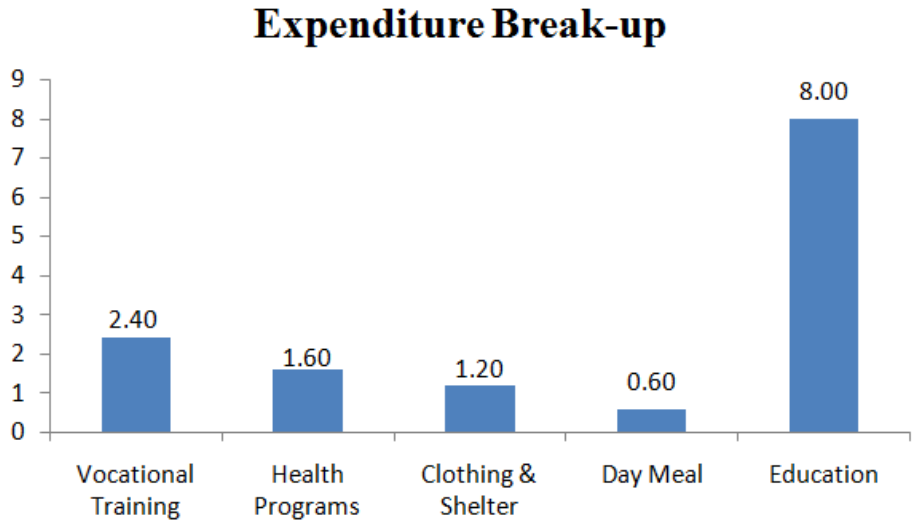
70. **Karmasthali is an NGO operating for the benefits of the girl child and spends ₹ 13.8 Crores on orphan girl children. The expenditure break-up is given below in a bar chart. Read the given bar chart and answer the questions that follow:**



By how many percentage points is the expenditure on vocational training and health programs, more than the expenditure on clothing & shelter and day meal?

A 134.44%

B 88.88%

C 122.22%

D 22.22%

Answer: C

Explanation:
Expenditure on vocational training and health programs = 2.4 +1.6 = 4

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Expenditure on clothing & shelter and day meal = 1.2 + .6 = 1.8

%difference = $\frac{4-1.8}{1.8} \times 100\% = 122.22\%$

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Verbal Ability & Reading Comprehension

71. **Enthusiasm: Enthuse ::Excitement: _____**

A Exciting

B Excitable

C Excited

D Excite

Answer: D

Explanation:
Enthusiasm is noun and enthuse is its verb form. Verb form of excitement is excite.

The answer is option D.

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72. **Replace the phrase in bold with the correct option given below.**
I am looking up my keys but I am unable to find them

A looking into

B looking for

C looking after

D no correction

Answer: B

Explanation:
Correct preposition is 'for'.

Correct sentence: I am looking for my keys but I am unable to find them.

The answer is option B.

73. **Fill in the blank.**
A country that constitutionally ensures equal rights for all citizens is called _____.

A an autocracy

B a theocracy

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C a democracy

D a dictatorship

Answer: C

Explanation:
A country that constitutionally ensures equal rights for all citizens is called a democratic country.

The answer is option C.

74. **Replace the phrase in bold with the correct option given below.**
There are very few people in the world that doesn't like ice cream.

A people whom don't

B people who don't

C people which don't

D No correction

Answer: B

Explanation:
'that' should be replaced by 'who' which refers to the few people in the given context.

Correct sentence: There are very few people who don't like ice cream.

The answer is option B.

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75. **Fill in the blank and complete the idiom.**
Aman: how do you solve this puzzle?
Bhumika: I don't know. Your _____ is as good as mine

A Aim

B Goal

C Knowledge

D Guess

Answer: D

Explanation:
Your guess is as good as mine is a idiom used for emphasis when one doesn't know the answer to a question.

The answer is option D.

76. **What is the antonym of Precarious?**

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A Dubious

B Equivocal

C Secure

D Dicey

Answer: C

Explanation:
precarious - dangerous, not secure

Antonym of precarious is secure.

The answer is option C.

77. **Complete the analogy:-**
Chase: Pursue :: Bewilder: _____

A Enlighten

B Perplex

C Orient

D Clarify

Answer: B

Explanation:
Chase and pursue have similar meanings.

bewildered - perplexed, confused

The answer is option B.

78. **Find the odd word out.**
Editor, Columnist, Reporter, Playwright

A Playwright

B Reporter

C Columnist

D Editor

Answer: A

Explanation:
All except playwright are persons involved in the preparation of a journal/newspaper.

The answer is option A.

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79. **Find the odd word out.**
Tsunami, Earthquake, Flood, Famine

A Tsunami

B Famine

C Earthquake

D Flood

Answer: B

Explanation:
Tsunami, Earthquake, and Flood are natural disasters whereas famine is extreme scarcity of food.

The answer is option B.

80. **Find the odd word out.**
Friendly, Pompous, Affable, Pleasant

A Friendly

B Pompous

C Pleasant

D Affable

Answer: B

Explanation:
affable - friendly, pleasant

All the words carry positive connotation except pompous.

pompous - arrogant

The answer is option B.

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81. **A person who knows and speaks several languages fluently can converse easily with people from various countries.**

A A polymath

B A translator

C A polyglot

D An interpreter

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Answer: C

Explanation:
A *polyglot* is a person who speaks or understands many languages.

The answer is option C.

82. **Replace the phrase in bold with the correct option given below.**
No sooner do the bell ring than the students ran out of their classes.

A Did the bell ring

B Did the bell rang

C No correction

D Do the bell rang

Answer: A

Explanation:
The third form of a verb is used with "No sooner ... than". Thus, option A is the correct answer.

83. **Substitute the phrase in bold with a word given below.**
Usually, no one gives a job to someone who runs away from the law.

A A delinquent

B A juvenile

C An exile

D A fugitive

Answer: D

Explanation:
A fugitive is a person who is running away from law or justice.

The answer is option D.

84. **Fill in the blank and complete the idiom.**
He may look unreliable, but let's give him the job. You cannot judge a book by its _____.

A title

B pages

C print

D cover

Answer: D

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Explanation:
You cannot judge a book by its cover is used when you cannot judge a person's capability by their looks.

The answer is option D.

85. **Complete the analogy**
Dirty: Filthy :: Silly: _____

A Mundane

B Frivolous

C Dull

D Infuriating

Answer: B

Explanation:
Filthy is the synonym of dirty. Among the given options, frivolous is the synonym of silly.

The answer is option B.

86. **Fill in the blank and complete the idiom.**
He has changed a lot. He is a _____ cry from what he was two years ago

A Far

B Short

C Long

D Distant

Answer: A

Explanation:
far cry - to be very different from past

The answer is option A.

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87. **The following sentence is split in three parts and each one is labelled (A), (B), and (C). Read the sentence to find out whether there is an error in any part.**
He is waiting (A) for you since (B) 10 o' clock. (C)

A He is waiting

B for you since

C 10 o'clock

D No error

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Answer: A

Explanation:
Correct sentence: He has been waiting for you since 10 o' clock.

The answer is option A.

88. **The following sentence is split in three parts and each one is labelled (A), (B), and (C). Read the sentence to find out whether there is an error in any part.**
Me and my sister (A) went to the new mall (B) for shopping. (C)

A Me and my sister

B went to the new mall

C for shopping

D No error

Answer: A

Explanation:
Correct sentence: My sister and I went to the new mall for shopping.

The answer is option A.

89. **The following sentence is split in three parts and each one is labelled (A), (B), and (C). Read the sentence to find out whether there is an error in any part.**
Industrialisation has severely effected (A) the environment and triggered (B) global warming. (C)

A Industrialisation has severely effected

B the environment and triggered

C global warming

D No error

Answer: A

Explanation:
effected - cause something to happen

affected - influenced by an external factor.

In the given context, affected is the appropriate word.

Correct sentence: Industrialisation has severely affected the environment and triggered global warming.

The answer is option A.

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90. **Fill in the blank.**
He was arrested for marrying multiple times, and so he was charged with _____.

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A bigamy

B polygamy

C endogamy

D monogamy

Answer: B

Explanation:
polygamy is the practice of marrying multiple spouses.

The answer is option B.

91. **Fill in the blank and complete the idiom.**
They had successfully hidden the news of their marriage from everyone. With the date approaching, it was time to let the _____ out of the bag

A cat

B cards

C toy

D dog

Answer: A

Explanation:
Let the cat out of the bag is used when a secret is revealed.

The answer is option A.

92. **Fill in the blank.**
A research student is expected to _____sources in her thesis.

A cite

B sight

C site

D cight

Answer: A

Explanation:
cite - refers as a evidence or justification of a statement.

In the given context, cite is the most appropriate word among the given options.

The answer is option A.

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93. **What is the antonym of trivial?**

A Pertinent

B Paltry

C Trite

D Petty

Answer: A

Explanation:
trivial - insignificant, not important
pertinent - relevant
paltry - very small, trivial, petty
trite - lacking originality
Among the given options, option B is the appropriate one.
The answer is option A.

94. **Fill in the blank.**
A doctor who takes care of newborn infants is called _____.

A a urologist

B An epidemiologist

C a neonatologist

D a paediatrician

Answer: C

Explanation:
Neonatologists are the doctors who specialise in the care of newborn children.

The answer is option C.

95. **Complete the analogy.**
::: Encourage: Discourage:: Pacify:_____

A Gruff

B Provoke

C Cut

D Spoil

Answer: B

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Explanation:
Discourage is the antonym of encourage. Antonym of pacify is provoke.

The answer is option B.

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Instructions [96 - 100]

READING COMPREHENSION:

Nutrition for injured athletes

Poor nutrition can lead to conditions that increase the risk of injury. But injuries are often an unavoidable aspect when participating in any physical activity. An injury can be particularly distressing for the eating-disordered athlete. Psychological support is important. No change in diet is necessary when a quick recovery is expected.

There is a need in modification of food intake when an injury limits activity for less than a week. The need to reduce food intake is necessary to meet lower energy needs, if recovery is expected to take longer than a week. Long-term recovery may require an absolute reduced diet.

Surgical trauma, fever, or infection requires dietary changes. In these cases, protein intake should be increased during the early stages of recovery, because proteins repair damaged tissues.

Protein is important for immune function. If a slow recovery is expected, the injury might cause significant emotional stress. Fear, anxiety, and anger are all typical reactions to injury. These emotions can increase the secretion of epinephrine (adrenaline) from the adrenal gland. This in turn can cause a series of metabolic changes that result in increased loss of nitrogen (protein) through the urine.

In general, the importance of psychological support for injured athletes varies depending on length of recovery and injury severity. Anxiety about the injury might lead to increased food cravings, more free time and less structure in the daily routine can lead to boredom and increases opportunities to eat more and it may result in weight gain. Some injured athletes simply do not adjust their energy needs and continue to follow their typical training diet.

Nutritional need while travelling:

Maintaining good nutritional practices while travelling to and from events may affect an athlete's health and athletic success.
A slightly lower carbohydrate and higher protein intake for strength athletes (40-48% carbohydrate, 20-26% protein, and 34% fat),stress the importance of eating natural and whole foods.

Sports nutrition experts recommend that athletes should have multiple small meals per day (five or six feedings). Travelling with snacks helps to ensure that caloric needs are being met, despite unpredictable travel delays. Fresh vegetables and fruits, fruit smoothies, energy bars, nuts, bagels, and raisins are suggested to carry while travelling.

96. **Which of the following leads to higher risk of injury?**

A Eating disorders

B Excessive travelling

C Physical activity

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D Poor nutrition

Answer: D

Explanation:
As mentioned in the first paragraph, poor nutrition leads to the conditions that increase the risk of injury.

The answer is option D.

97. **Which factor influences the need for a change in diet in the recovery process the most?**

A Presence or absence of psychological support

B Excessive travelling

C Time required for recovery

D Type of injury

Answer: C

Explanation:
In the first paragraph it is mentioned that no change in diet is necessary when a quick recovery is expected. Therefore, time required for recovery influences the need for a change in diet in the recovery process the most.

The answer is option C.

98. **Why is protein intake important in the recovery process?**

A Because protein repairs damaged tissues

B Proteins help in building strength

C Proteins boost immunity

D All of the above

Answer: D

Explanation:
As mentioned in third and fourth paragraphs, protein intake is important in the recovery process because protein repairs damaged tissues, boosts immunity and helps in building strength.

The answer is option D.

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99. **Which of the following can be the reasons for weight gain?**

A Sticking to typical training diet

B Anxiety

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C Physical stress

D None of the above

Answer: B

Explanation:
It is mentioned in fifth paragraph that anxiety about the injury might lead to increased food cravings, more free time and less structure in the daily routine can lead to boredom and increases opportunities to eat more and it may result in weight gain.

The answer is option B.

00. **Why, according to the author, is it crucial for athletes to maintain their nutrition while travelling?**

A It ensures their caloric needs are met

B It reduces stress

C It ensures faster recovery from injuries

D It reduces the risk of injury

Answer: A

Explanation:
In last paragraph it is mentioned that sports nutrition experts recommend that athletes should have multiple small meals per day (five or six feedings). Travelling with snacks helps to ensure that caloric needs are being met, despite unpredictable travel delays.

The answer is option A.

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